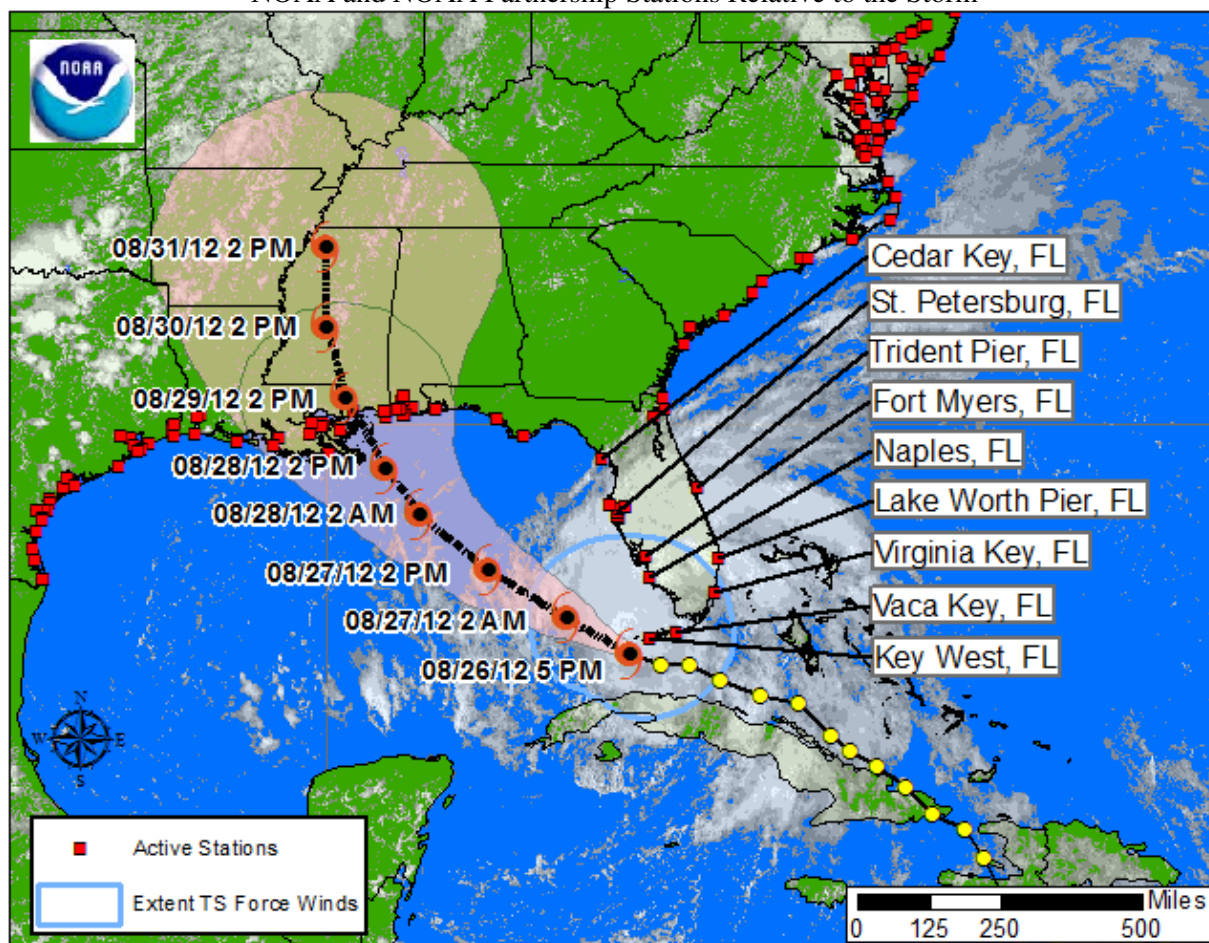




Tropical Storm ISAAC QuickLook
Posted: 18:00 EDT 08/26/2012



NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/26/2012 18:00 EDT, water levels in southeastern Florida and the Keys are elevated between 0.6 and 1.2 ft above predicted tide levels. Water levels along the western coast of Florida from Cedar Key to Naples have fallen between 0.6 and 1.2 ft below predictions. Winds across southern Florida generally range 15 to 30 knots with some gusts over 35 kts. Wind gusts over 45 kts were recorded at Virginia Key, FL. Barometric pressure continues to fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tides are 1.1 ft (0.34 m) at 08/26/2012 19:32 EDT and 2.1 ft (0.65 m) at 08/27/2012 06:47 EDT.

Vaca Key, FL: Next predicted high tides are 0.7 ft (0.20 m) at 08/27/2012 00:49 EDT and 1.1 ft (0.33 m) at

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08/27/2012 09:24 EDT.

Virginia Key, FL: Next predicted high tides are 2.3 ft (0.69 m) at 08/27/2012 05:46 EDT and 2.4 ft (0.73 m) at 08/27/2012 18:29 EDT.

Lake Worth Pier, FL: Next predicted high tides are 2.8 ft (0.87 m) at 08/27/2012 04:47 EDT and 3.3 ft (1.02 m) at 08/27/2012 17:37 EDT.

Trident Pier, FL: Next predicted high tides are 3.4 ft (1.05 m) at 08/27/2012 04:24 EDT and 4.4 ft (1.35 m) at 08/27/2012 17:13 EDT.

Naples, FL: Next predicted high tides are 2.3 ft (0.70 m) at 08/26/2012 22:47 EDT and 3.2 ft (0.98 m) at 08/27/2012 09:22 EDT.

Fort Myers, FL: Next predicted high tides are 1.0 ft (0.30 m) at 08/27/2012 02:11 EDT and 1.6 ft (0.50 m) at 08/27/2012 12:55 EDT.

St. Petersburg, FL: Next predicted high tides are 1.6 ft (0.50 m) at 08/27/2012 01:43 EDT and 2.7 ft (0.82 m) at 08/27/2012 10:46 EDT.

Cedar Key, FL: Next predicted high tides are 3.0 ft (0.91 m) at 08/27/2012 00:00 EDT and 4.0 ft (1.24 m) at 08/27/2012 10:37 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:ADW

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 23
NWS NATIONAL HURRICANE CENTER MIAMI FL
500 PM EDT SUN AUG 26 2012

...CENTER OF ISAAC PASSING JUST SOUTH OF KEY WEST...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WATCH FROM NORTH OF SEBASTIAN INLET TO FLAGLER BEACH IS DISCONTINUED.

THE HURRICANE WARNING IS CHANGED TO A TROPICAL STORM WARNING FOR THE FLORIDA KEYS INCLUDING THE DRY TORTUGAS AND FLORIDA BAY.

THE HURRICANE WARNING FOR THE WEST COAST OF FLORIDA FROM BONITA BEACH SOUTHWARD TO OCEAN REEF IS CHANGED TO A TROPICAL STORM WARNING.

THE HURRICANE WATCH IS CHANGED TO A HURRICANE WARNING FOR THE NORTHERN GULF OF MEXICO COAST FROM EAST OF MORGAN CITY LOUISIANA TO DESTIN FLORIDA...INCLUDING METROPOLITAN NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS.

THE TROPICAL STORM WARNING FROM SUWANNEE RIVER TO ANCLOTE KEY IS DISCONTINUED.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- * EAST OF MORGAN CITY LOUISIANA TO DESTIN FLORIDA...INCLUDING METROPOLITAN NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A HURRICANE WATCH IS IN EFFECT FOR...

- * EAST OF DESTIN TO INDIAN PASS FLORIDA

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * THE FLORIDA PENINSULA FROM SEBASTIAN INLET SOUTHWARD ON THE EAST COAST AND FROM ANCLOTE KEY SOUTHWARD ON THE WEST COAST.

- * FLORIDA KEYS...INCLUDING THE DRY TORTUGAS AND FLORIDA BAY

- * LAKE OKEECHOBEE

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN THE NEXT 24 HOURS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA. A WATCH IS TYPICALLY ISSUED 48 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL-STORM-FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 PM EDT THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED ABOUT 40 MI OF KEY WEST FLORIDA. ISAAC IS MOVING TOWARD THE WEST-NORTHWEST NEAR 16 MPH AND A GRADUAL TURN TOWARD THE NORTHWEST WITH A DECREASE IN FORWARD SPEED IS EXPECTED OVER THE NEXT 48 HOURS. ON THE FORECAST TRACK...THE CENTER IS EXPECTED TO MOVE AWAY FROM THE FLORIDA KEYS TONIGHT... MOVE OVER THE EASTERN GULF OF MEXICO ON MONDAY...AND APPROACH THE NORTHERN GULF COAST ON TUESDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 60 MPH WITH HIGHER GUSTS. SOME STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND ISAAC IS EXPECTED TO BECOME A HURRICANE IN A DAY OR TWO.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES FROM THE CENTER. SMITH SHOAL LIGHT...NEAR KEY WEST...REPORTED A WIND GUST TO 70 MPH AND VIRGINIA KEY REPORTED A WIND GUST TO 66 MPH.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 992 MB.

HAZARDS AFFECTING LAND

RAINFALL...TOTAL RAINFALL ACCUMULATIONS OF 4 TO 7 INCHES...WITH MAXIMUM AMOUNTS OF 10 INCHES...ARE POSSIBLE ACROSS THE FLORIDA KEYS AND THE SOUTHERN HALF OF THE FLORIDA PENINSULA. TOTAL RAINFALL AMOUNTS OF 5 TO 10 INCHES...WITH MAXIMUM AMOUNTS OF 15 INCHES...ARE POSSIBLE ALONG THE EASTERN AND CENTRAL GULF COAST.

WIND...TROPICAL STORM CONDITIONS ARE OCCURRING OVER PORTIONS OF SOUTHERN FLORIDA AND THE FLORIDA KEYS...AND SHOULD SPREAD NORTHWARD ALONG THE FLORIDA WEST COAST IN THE TROPICAL STORM WARNING AREA.

TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE NORTHERN GULF COAST IN THE WARNING AREA BY LATE MONDAY...WITH HURRICANE CONDITIONS EXPECTED ON TUESDAY.

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

- * NORTHERN GULF COAST WITHIN THE HURRICANE WARNING AREA...6 TO 12 FT
- * REMAINDER OF THE FLORIDA PANHANDLE AND APALACHEE BAY...4 TO 7 FT
- * FLORIDA WEST COAST SOUTH OF APALACHEE BAY...2 TO 4 FT
- * SOUTHEAST FLORIDA COAST AND THE FLORIDA KEYS...1 TO 3 FT
- * CENTRAL AND WESTERN CUBA...1 TO 3 FT
- * NORTHWESTERN BAHAMAS...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

TORNADOES...ISOLATED TORNADOES ARE POSSIBLE OVER CENTRAL AND SOUTHERN FLORIDA THOUGH TONIGHT.

SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL CONTINUE TO AFFECT THE CENTRAL AND NORTHWESTERN BAHAMAS...CENTRAL CUBA...THE FLORIDA PENINSULA

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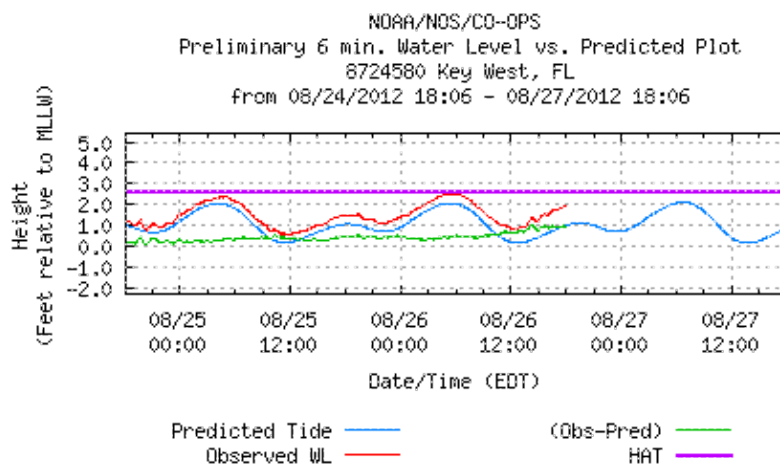
AND THE FLORIDA KEYS DURING THE NEXT COUPLE OF DAYS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

FORECASTER PASCH/ROBERTS

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Virginia Key - Winds](#), [Virginia Key - Barometric](#), [Lake Worth Pier - Water Level](#), [Lake Worth Pier - Winds](#), [Lake Worth Pier - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [St. Petersburg - Water Level](#), [St. Petersburg - Winds](#), [St. Petersburg - Barometric](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#),

[Key West, FL - Return to List](#)

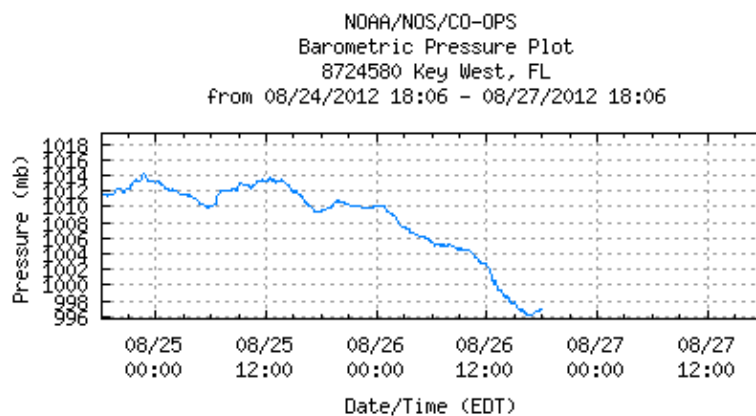


Last Observed Sample: 08/26/2012 17:54 (EDT)

Relative to MLLW: **Observed: 1.93 ft.** **Predicted: 0.99 ft.** **Residual: 0.94 ft.**

Historical Maximum Water Level: Oct 24 2005, 3.14 ft. above MHHW

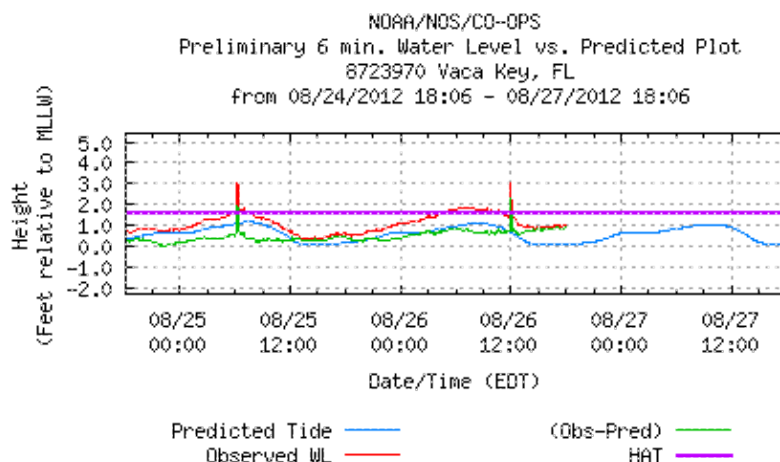
[Key West, FL - Return to List](#)



Last Observed Sample: 08/26/2012 17:54 (EDT)

Barometric Pressure: 996.9 mb

Vaca Key, FL - Return to List

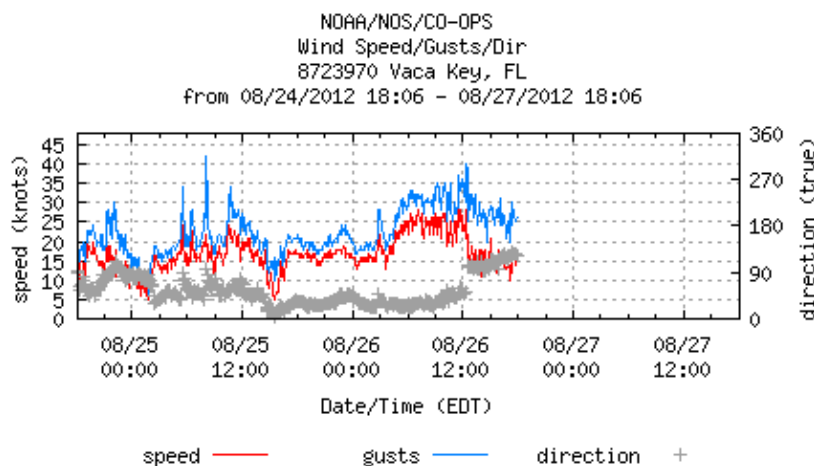


Last Observed Sample: 08/26/2012 17:54 (EDT)

Relative to MLLW: **Observed: 1.01 ft.** **Predicted: 0.10 ft.** **Residual: 0.91 ft.**

Historical Maximum Water Level: Oct 24 2005, 5.8 ft. above MHHW

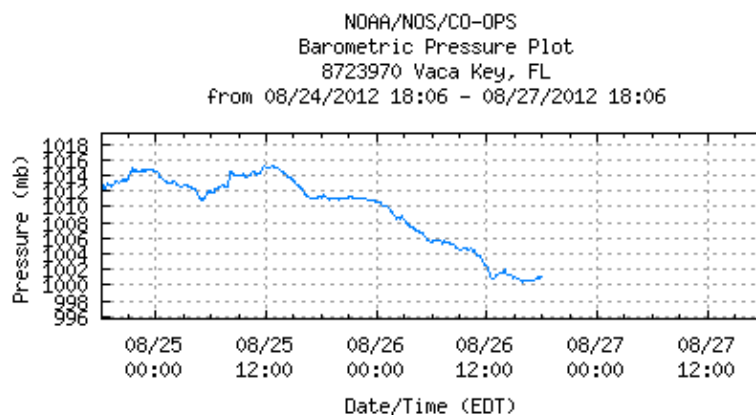
Vaca Key, FL - Return to List



Last Observed Sample: 08/26/2012 17:54 (EDT)

Wind Speed: 17 knots **Gusts: 26 knots** **Direction: 122° T**

Vaca Key, FL - Return to List

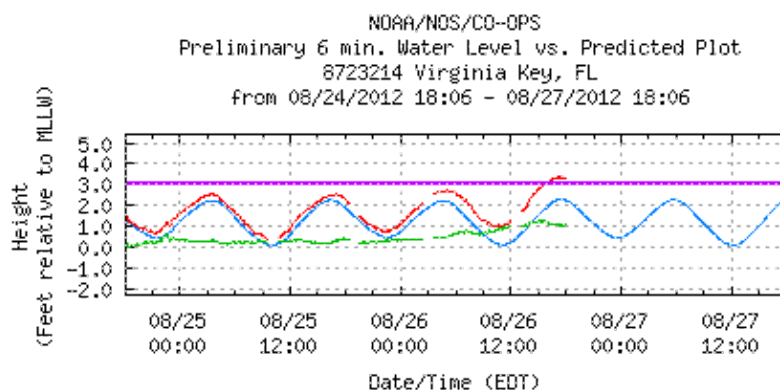


barometric pressure —

Last Observed Sample: 08/26/2012 17:54 (EDT)

Barometric Pressure: 1001.0 mb

Virginia Key, FL - Return to List



Predicted Tide —

(Obs-Pred) —

Observed WL —

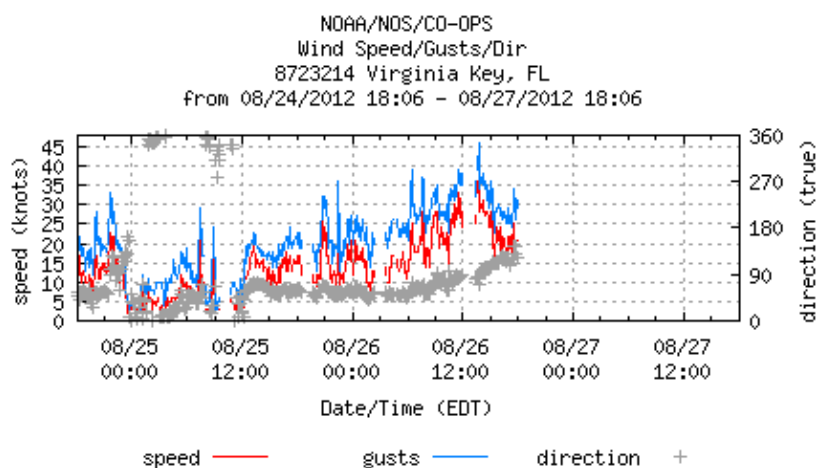
HAT —

Last Observed Sample: 08/26/2012 17:54 (EDT)

Relative to MLLW: **Observed: 3.34 ft.** **Predicted: 2.27 ft.** **Residual: 1.07 ft.**

Historical Maximum Water Level: Oct 24 2005, 2.58 ft. above MHHW

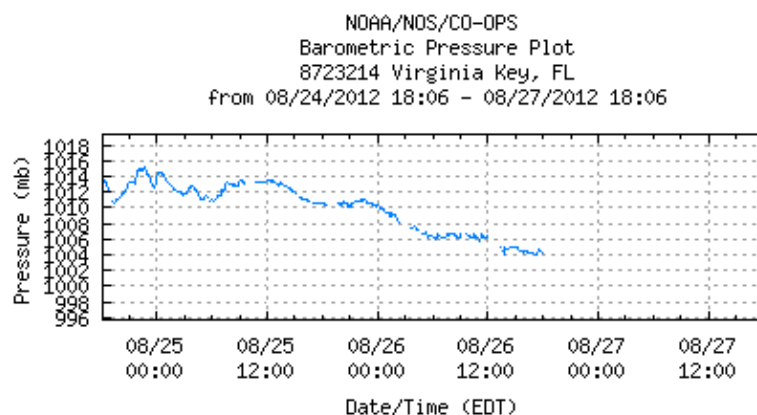
Virginia Key, FL - Return to List



Last Observed Sample: 08/26/2012 17:54 (EDT)

Wind Speed: 21 knots Gusts: 31 knots Direction: 122° T

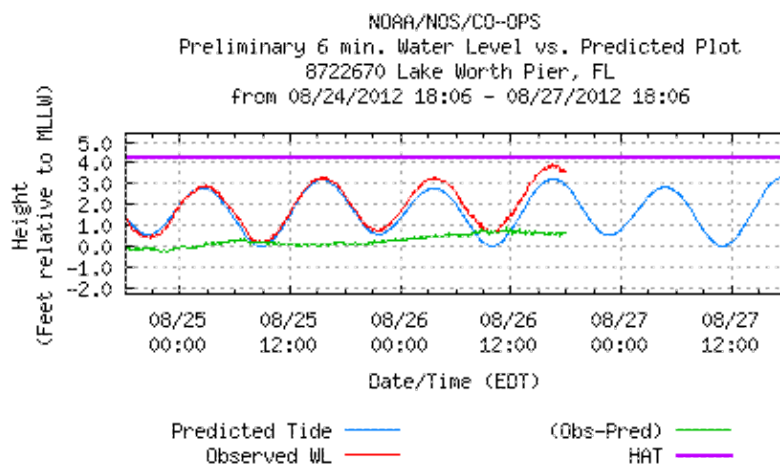
Virginia Key, FL - Return to List



Last Observed Sample: 08/26/2012 17:54 (EDT)

Barometric Pressure: 1004.3 mb

[Lake Worth Pier, FL - Return to List](#)

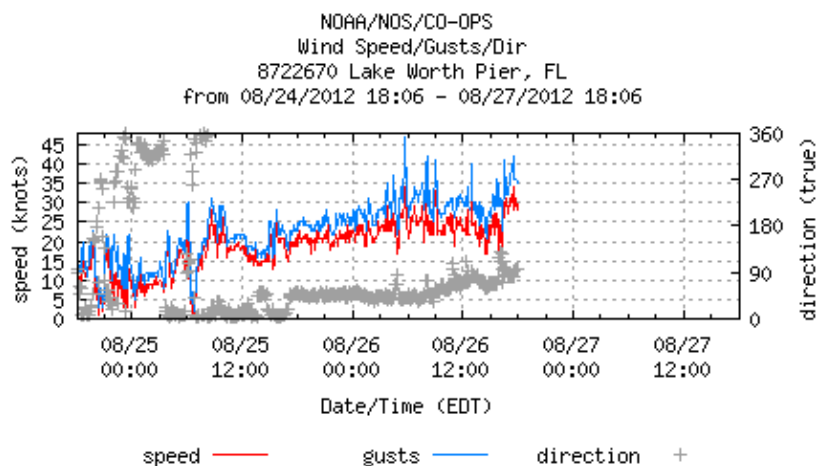


Last Observed Sample: 08/26/2012 17:54 (EDT)

Relative to MLLW: **Observed: 3.58 ft.** **Predicted: 2.95 ft.** **Residual: 0.63 ft.**

Historical Maximum Water Level: Nov 23 1984, 1.88 ft. above MHHW

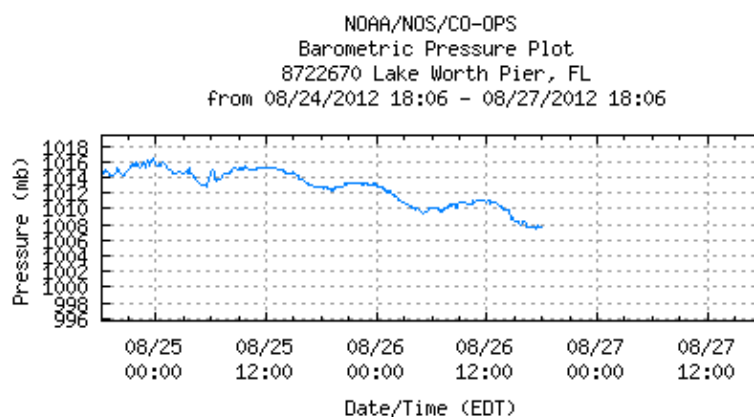
[Lake Worth Pier, FL - Return to List](#)



Last Observed Sample: 08/26/2012 17:54 (EDT)

Wind Speed: 28 knots **Gusts: 35 knots** **Direction: 95° T**

Lake Worth Pier, FL - Return to List

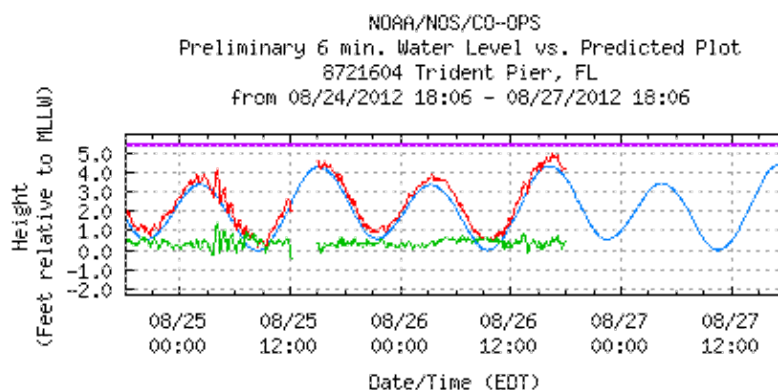


barometric pressure —

Last Observed Sample: 08/26/2012 17:54 (EDT)

Barometric Pressure: 1007.6 mb

Trident Pier, FL - Return to List



Predicted Tide —

(Obs-Pred) —

Observed WL —

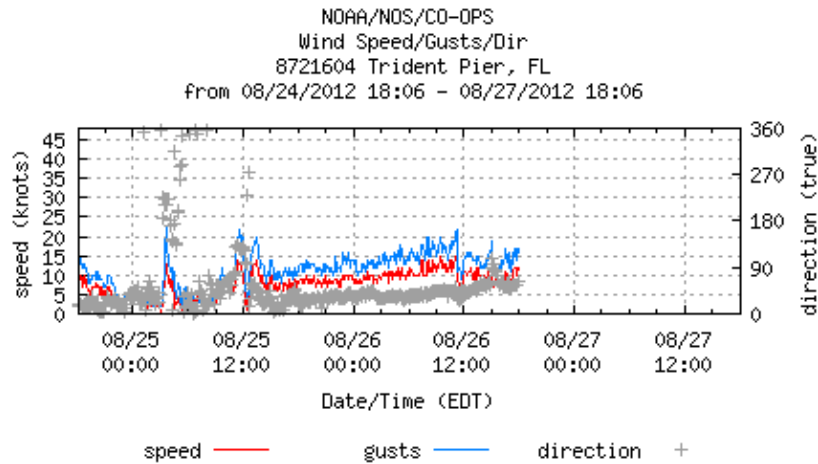
HAT —

Last Observed Sample: 08/26/2012 17:54 (EDT)

Relative to MLLW: **Observed: 4.18 ft.** **Predicted: 3.73 ft.** **Residual: 0.45 ft.**

Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

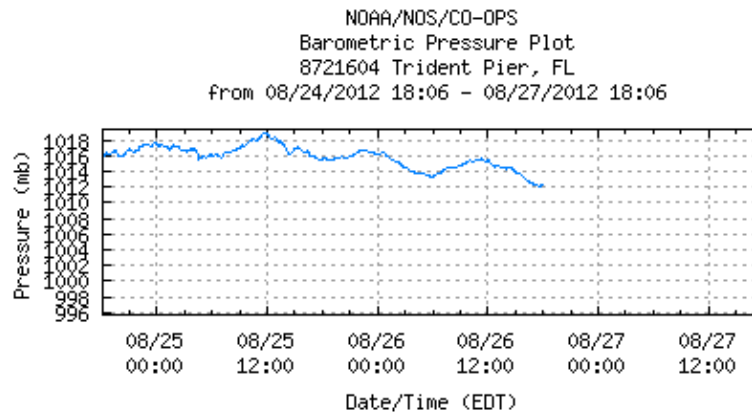
Trident Pier, FL - Return to List



Last Observed Sample: 08/26/2012 17:54 (EDT)

Wind Speed: 12 knots Gusts: 17 knots Direction: 64° T

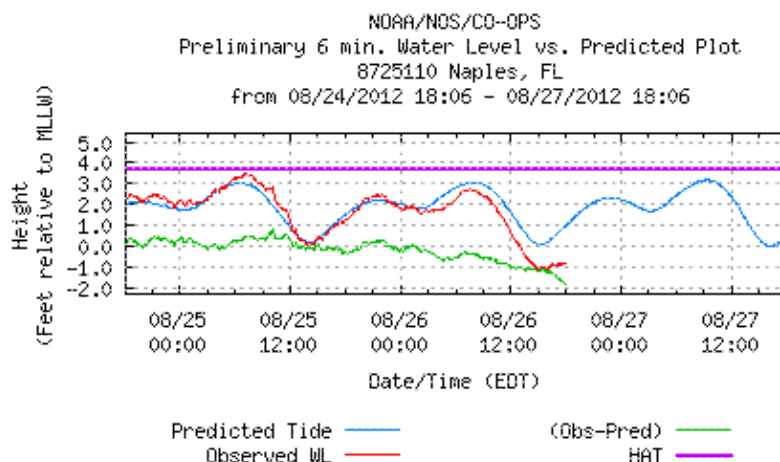
Trident Pier, FL - Return to List



Last Observed Sample: 08/26/2012 17:54 (EDT)

Barometric Pressure: 1012.4 mb

Naples, FL - Return to List

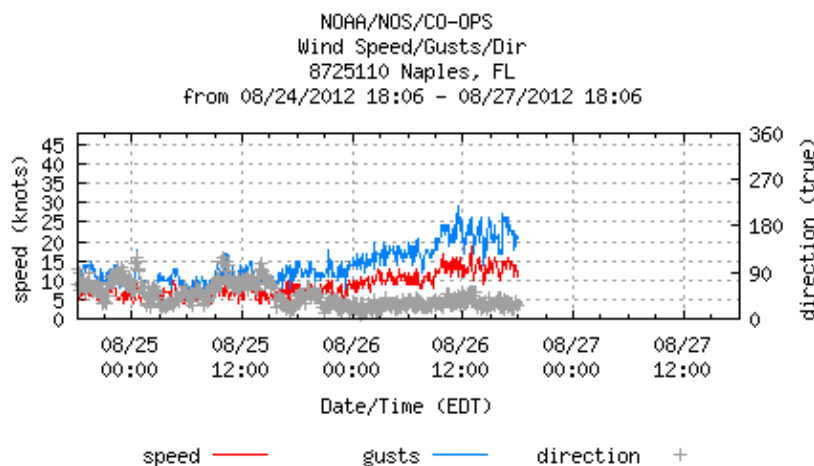


Last Observed Sample: 08/26/2012 17:54 (EDT)

Relative to MLLW: **Observed: -0.81 ft. Predicted: 0.97 ft. Residual: -1.78 ft.**

Historical Maximum Water Level: Dec 21 1972, 3.11 ft. above MHHW

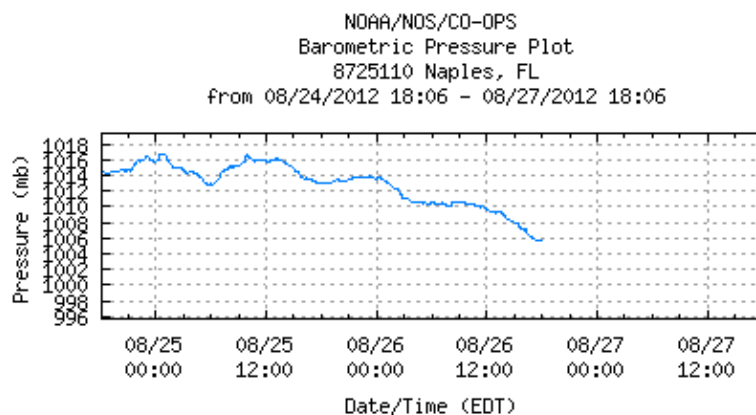
Naples, FL - Return to List



Last Observed Sample: 08/26/2012 17:54 (EDT)

Wind Speed: 11 knots Gusts: 21 knots Direction: 27° T

Naples, FL - Return to List

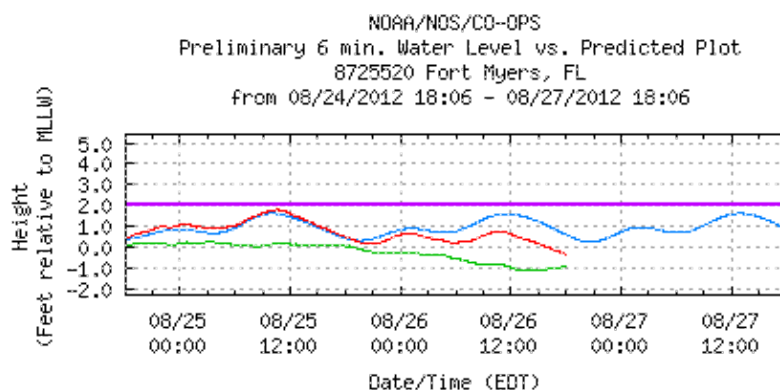


barometric pressure —

Last Observed Sample: 08/26/2012 17:54 (EDT)

Barometric Pressure: 1005.7 mb

Fort Myers, FL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

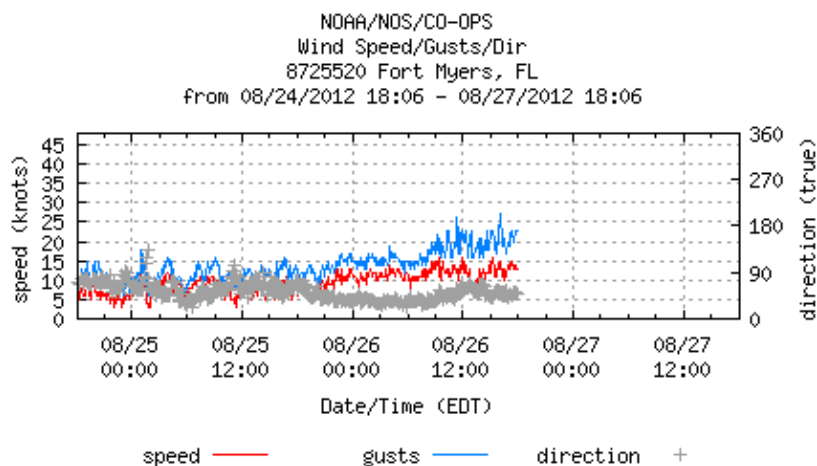
HAT —

Last Observed Sample: 08/26/2012 17:54 (EDT)

Relative to MLLW: **Observed: -0.31 ft.** **Predicted: 0.63 ft.** **Residual: -0.94 ft.**

Historical Maximum Water Level: Nov 23 1988, 3.41 ft. above MHHW

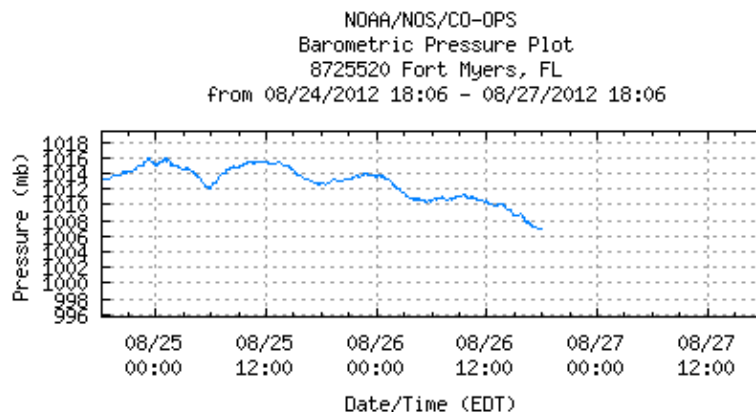
Fort Myers, FL - Return to List



Last Observed Sample: 08/26/2012 17:54 (EDT)

Wind Speed: 13 knots Gusts: 23 knots Direction: 50° T

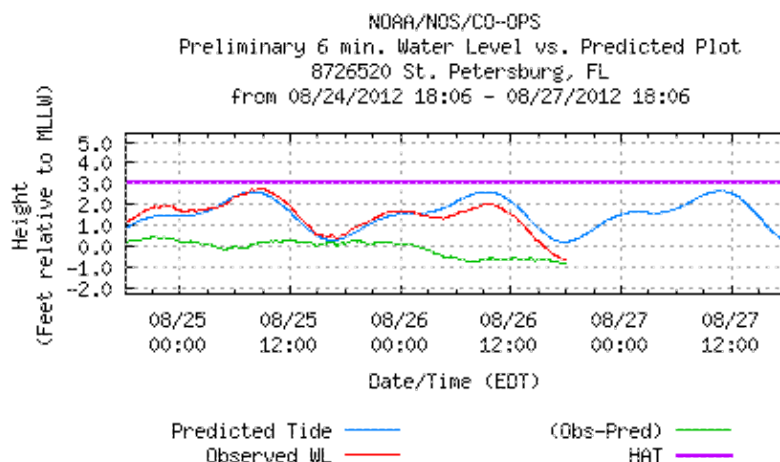
Fort Myers, FL - Return to List



Last Observed Sample: 08/26/2012 17:54 (EDT)

Barometric Pressure: 1006.9 mb

St. Petersburg, FL - Return to List

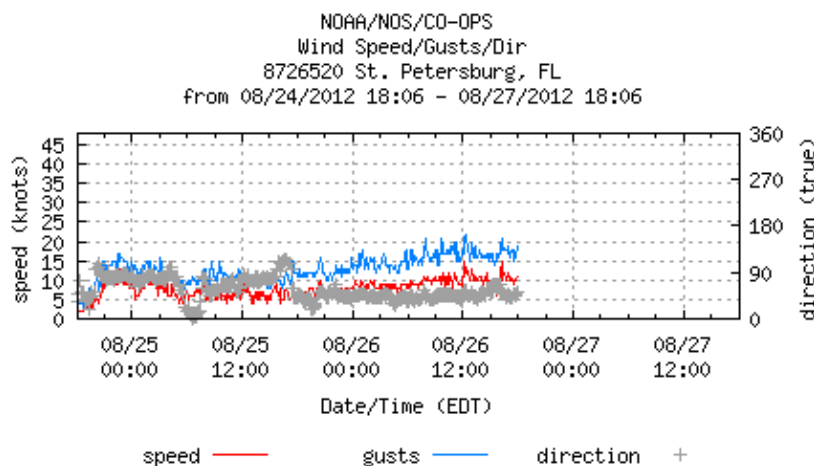


Last Observed Sample: 08/26/2012 17:54 (EDT)

Relative to MLLW: **Observed: -0.63 ft.** **Predicted: 0.22 ft.** **Residual: -0.85 ft.**

Historical Maximum Water Level: Aug 31 1985, 4 ft. above MHHW

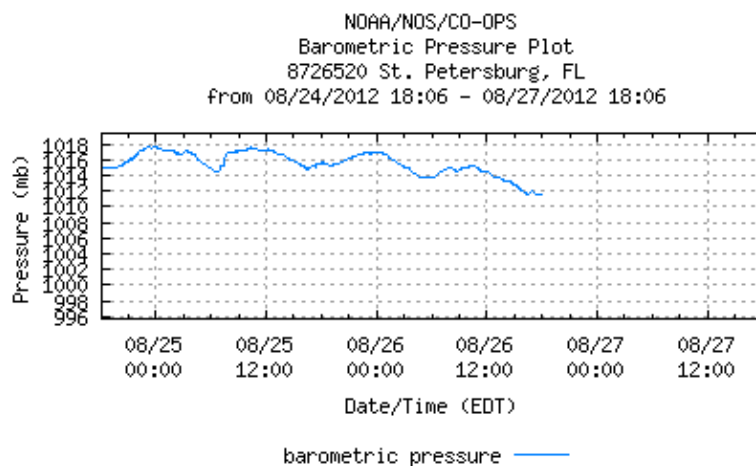
St. Petersburg, FL - Return to List



Last Observed Sample: 08/26/2012 17:54 (EDT)

Wind Speed: 11 knots **Gusts: 19 knots** **Direction: 51° T**

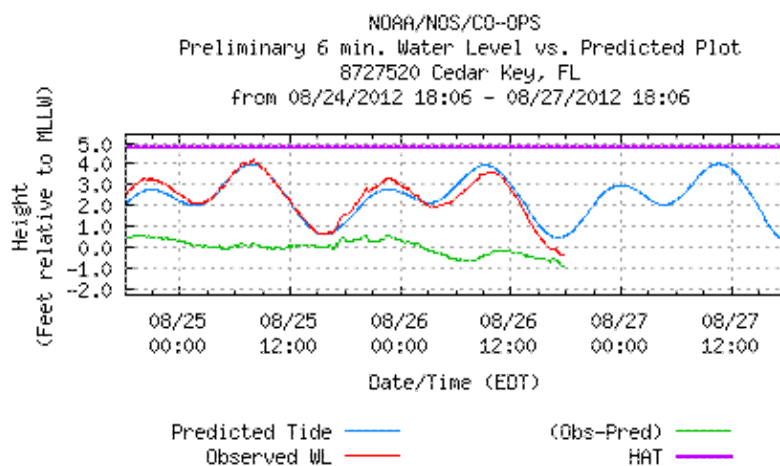
St. Petersburg, FL - Return to List



Last Observed Sample: 08/26/2012 17:54 (EDT)

Barometric Pressure: 1011.6 mb

Cedar Key, FL - Return to List

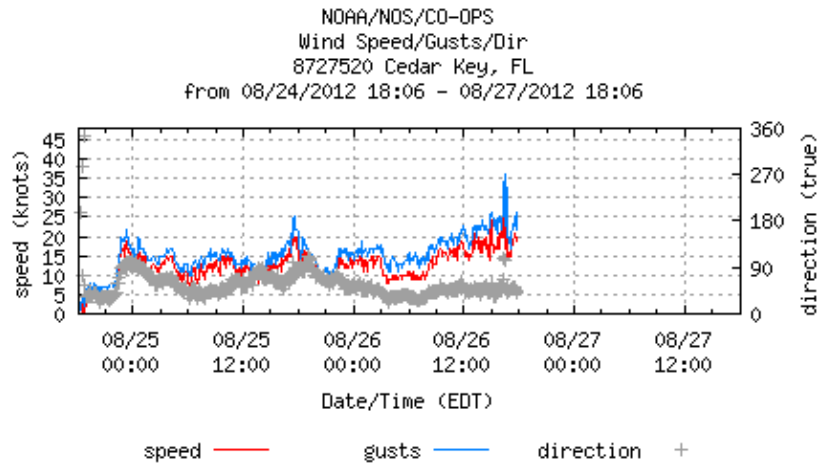


Last Observed Sample: 08/26/2012 17:48 (EDT)

Relative to MLLW: **Observed: -0.39 ft.** **Predicted: 0.53 ft.** **Residual: -0.92 ft.**

Historical Maximum Water Level: Oct 7 1996, 5.15 ft. above MHHW

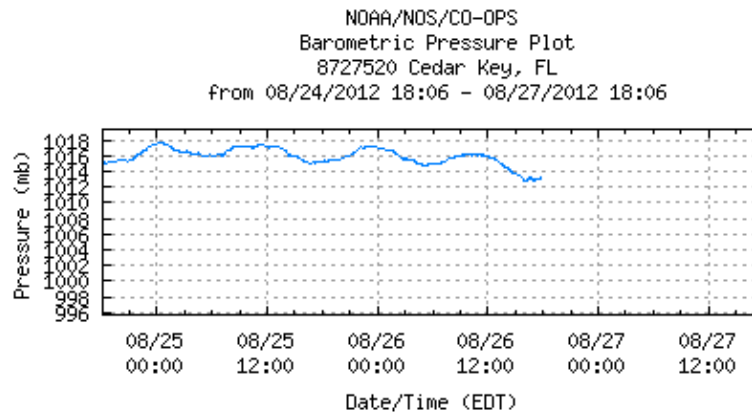
Cedar Key, FL - Return to List



Last Observed Sample: 08/26/2012 17:48 (EDT)

Wind Speed: 20 knots Gusts: 26 knots Direction: 41° T

Cedar Key, FL - Return to List



Last Observed Sample: 08/26/2012 17:48 (EDT)

Barometric Pressure: 1013.1 mb

Tropical Storm ISAAC QuickLook, POSTED 18:00 EDT 08/26/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce